

ABSTRACT OF THE DISCLOSURE

A device for preventing bearing damage from currents through a three-phase motor is provided, including a shield for winding and copper wire within each stator slot of a motor. The shield includes an electrically conductive layer which is insulated from the winding and from the laminated stator core of the three-phase motor. The conductive layer is grounded or
5 conductively connected to the laminated stator core of the three-phase motor on only that side on which the three-phase current is fed to the winding of the motor.